

6th Math 2.2b

Name: _____

Class: _____

Date: _____

1. What is another way to write:

6^5

- A. 6×6
- B. $6 \times 6 \times 6 \times 6 \times 6$
- C. x
- D. $6 \times 6 \times 6 \times 6 \times 6$

2. Fill in the blank.

$7^4 = \underline{\hspace{2cm}}$

- A. 7×4
- B. $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$
- C. $7 \times 7 \times 7 \times 7$
- D. $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$

3. Translate the following word phrase into an expression.

seventeen added to three times the sum of a number, x , and five

- A. $3(x + 5) + 17$
- B. $3 + x + 5 + 17$
- C. $17 + 3x + 5$
- D. $3x + 17 + 5$

4. Translate the following word phrase into an expression.

twenty-three more than eight times the difference of a number, x , and eleven

- A. $8(x + 11) + 23$
- B. $8x - 23 - 11$
- C. $8(x - 11) + 23$
- D. $23 + 8x - 11$

5. Translate the following word phrase into an expression.

ten less than seven times the sum of eight and some number, x

- A. $10 - 7x + 8$
- B. $7(x + 8 - 10)$
- C. $7x + 8 - 10$
- D. $7(x + 8) - 10$

6. **Translate the following word phrase into an expression.**

fourteen more than eight times the difference of six and a number, x

- A. $14 + 8x + 6$
- B. $8(6 + x) + 14$
- C. $8 + 6x + 14$
- D. $8(6 - x) + 14$

7. **Translate the following word phrase into an expression.**

six times the sum of nine and a number, x , plus twelve times the number

- A. $6(9 + x) + 12$
- B. $6(9 + x) + 12x$
- C. $6 + 9x + 12x$
- D. $6 - 9x - 12x$

8. **Translate the following expression into words.**

$$4(6 + x) + 8x$$

- A. four times the sum of six and a number plus eight times a number
- B. four times six plus eight times a number
- C. the sum of six and four times a number plus eight times a number
- D. four times six plus a number plus eight

9. **Translate the following expression into words.**

$$6(x + 8) + 5$$

- A. six times the sum of five and some number plus eight
- B. six times some number plus eight plus five
- C. five more than six times the sum of eight and some number
- D. eight plus a number times six plus five

10. Find the equivalent form.

$$5^5$$

- A. 5×5
- B. $5 \times 5 \times 5 \times 5 \times 5$
- C. $5 \times 100,000$
- D. 25